

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 294-160	SERIAL NO. Unassigned 10609358
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>O I P E</i> JUL 25 2003 PATENT & TRADEMARK OFFICE		APPLICANT Schmid, et al.	CONFIRMATION NO. Unassigned
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>SMS</i>		4,318,784	03/09/82	Higgins et al.	—	—	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
<i>SMS</i>		WO 02/36794 A1	05/10/02	PCT	—	—		
<i>SMS</i>		WO 01/88172 A1	11/22/01	PCT	—	—		
<i>SMS</i>		WO 01/36654 A1	05/25/01	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SMS</i>		F. Hollmann, B. Witholt, A Schmid; “[Cp*Rh(bpy)(H ₂ O)] ²⁺ : a versatile tool for efficient and non-enzymatic regeneration of nicotinamide and flavin coenzymes;” <i>Journal of Molecular Catalysis B: Enzymatic</i> ; 19-20, 167-176 (2003).
		Gerhard Hilt, Tafeeda Jarbawi, William R. Heineman, and Eberhard Steckhan; “An Analytical Study of the Redox Behavior of 1,10-Phenanthroline-5,6-dione, Its Transition-Metal Complexes, and Its N-Monomethylated Derivative with Regard to Their Efficiency as Mediators NAD(P)+ Regeneration;” <i>Chem. Eur. J.</i> ; 3(1):79-88 (1997).
<i>SMS</i>		J. Bryan Jones and Keith E. Taylor; “Nicotinamide coenzyme regeneration. The rates of some 1,4-dihydropyridine, pyridinium salt, and flavin mononucleotide hydrogen-transfer reactions.;” <i>Can. J. Chem.</i> ; 54:2974-2980 (1976).

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							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>BMA</i>		Dale G. Druekhammer, V.W. Riddle, and Chi-Huey Wong; "FMN Reductase Catalyzed Regeneration of NAD(P) for Use in Enzymatic Synthesis;" <i>American Chemical Society</i> ; 50:5387-5389 (1985).
<i>BMA</i>		Gerhard Hilt, Burhanshah Lewall, Guillermo Montero, James H. P. Utley, and Eberhard Stecham; "Efficient In-Situ Redox Catalytic NAD(P) ⁺ Regeneration in Enzymatic Synthesis Using Transition-Metal Complexes of 1,10-Phenanthroline-5,6-dione and Its N-Monomethylated Derivative as Catalysts;" <i>Liebigs Ann./Recueil</i> ; 2289-2296 (1997).
<i>BMA</i>		Eberhard Steckhan, Thomas Arns, William R. Heineman, Gerhard Hilt, Dirk Hoormann, Jakob Jorissen, Lars Kröner, Burhanshah Lewall and Hermann Pütter; "Environmental protection and economization of resources by electroorganic and electroenzymatic syntheses;" <i>Chemosphere</i> 43:63-73 (2001).

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							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SMJ</i>		E. Steckhan, M. Freda, S. Herrmann, R. Ruppert, E. Spika, E. Dietz; "Enzymatische Synthesen durch Indirekte Elektrochemische Prozesse;" <i>Dechema-Monographion Band 125 - VCH Verlagsgesellschaft</i> ; 723-752, (1992) (Summary in English; Article in German).
<i>SMJ</i>		J. Bryan Jones and Keith E. Taylor; "Nicotinamide coenzyme regeneration. Flavin mononucleotide (riboflavin phosphate) as an efficient, economical, and enzyme-compatible recycling agent;" <i>Canadian Journal of Chemistry</i> ; 54(19):2969-2973 (1976).
<i>SMJ</i>		Sabine Flitsch, Gideon Grogan and D. Ashcroft; XP-002224911, "Chapter 16 Oxidation Reactions;" p 1065-1280 (2002).

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